

ABSTRACT OF THE DISCLOSURE

A motor includes a rotor, a stator having a core, end brackets, and plural binders. The stator core has plural layers and a plurality of axially extending dovetail grooves in its cylindrical outer surface and arranged at predetermined spacing around its circumference. The brackets are each a bottomed cylinder with a bearing bottom portion supporting the rotor shaft. Plural projections are formed at the axially inner end of each of the brackets and project axially inward into the dovetail grooves. Plural axially extending grooves are formed on the cylindrical outer surface of each of the brackets at predetermined spacing around the circumference with the grooves of the two brackets being axially aligned. Bent ends of the binders engage outer ends of the brackets to clamp the stator core.